

	Type	Hits	Search Text	DBs
1	BRS	417	((source adj drain adj extension) or LDD or (lightly adj doped)) with ((boron or B) and (Carbon or C) and (fluorine or F))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB
2	BRS	1609	((source adj drain adj extension) or LDD or (lightly adj doped)) same ((boron or B) and (Carbon or C) and (fluorine or F))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB
3	BRS	29	ldd with fluorine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB
4	BRS	0	ldd with (fluorine and boron and carbon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB

	Type	Hits	Search Text	DBs
5	BRS	52	1dd with (fluori\$2 and boron)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB
6	BRS	0	1dd with (fluori\$2 and boron and carbon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB
7	BRS	93	1dd same (boron and fluoride)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB
8	BRS	66	1dd same (boron and fluoride)	USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB
9	BRS	5	1dd with carbon	USPAT

	Type	Hits	Search Text	DBs
10	BRS	8	ldd with (fluorine and boron)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB
11	BRS	26	(halo or pocket) with implant\$5 with (before or prior) with (boron or B)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB
12	BRS	0	S10 and carbon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB
13	BRS	3	(ldd same (boron and fluoride)) and carbon	USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB

	Type	Hits	Search Text	DBs
14	BRS	20	1dd with carbon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB
15	BRS	3	carbon with implantation with 1dd	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB
16	BRS	1452	carbon with implantation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB
17	BRS	73	carbon adj implantation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB

	Type	Hits	Search Text	DBs
18	BRS	14	S17 and MOSFET	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB

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DIALOG File. 2:INSPEC 1969-2005/Jul W5  
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Set	Items	Description
S1	85	CI=BF
S2	633	CI=BF2
S3	259	CI=BF3
S4	31	CI=BF4
S5	214423	CI=C
S6	55802	CI=B
S7	46527	CI=F
S8	576	S5 AND S6 AND S7
S9	85	S1:S4 AND S8
S10	85	S1:S4 AND S5
S11	13	S8:S10 AND (LIGHT??? (2N)DOP??????? OR LDD OR LDDS OR L()D OR EXTENSION??? OR S(4N)D OR SOURCE(4N)DRAIN)
S12	111	(B OR BORON) (5N) (C OR CARBON) (5N) (F OR FLUOR???????) AND (L- IGHT??? (2N)DOP??????? OR LDD OR LDDS OR L()D OR EXTENSION??? OR S(4N)D OR SOURCE(4N)DRAIN)
S13	4	S12 AND (DRAIN?? OR LDD OR LDDS OR LIGHT??? (3N)DOP???????)

08aug05 12:00:55 User259284 Session D3248.4

## SYSTEM:OS - DIALOG OneSearch

File 23:CSA Technology Research Database 1963-2005/Jul  
 File 2:INSPEC 1969-2005/Jul W5  
 File 6:NTIS 1964-2005/Jul W5  
 File 8:Ei Compendex(R) 1970-2005/Jul W4  
 File 25:Weldasearch-19662005/Jul (c) 2005 TWI Ltd  
 File 31:World Surface Coatings Abs 1976-2005/Jul  
 File 33:Aluminium Industry Abstracts 1966-2005/Jul  
 File 34:SciSearch(R) Cited Ref Sci 1990-2005/Jul W5  
 File 35:Dissertation Abs Online 1861-2005/Jul  
 File 36:MetalBase 1965-20050804  
 File 46:Corrosion Abstracts 1966-2005/Jul  
 File 56:Computer and Information Systems Abstracts 1966-2005/Jul  
 File 57:Electronics & Communications Abstracts 1966-2005/Jul  
 File 60:ANTE: Abstracts in New Tech & Engineer 1966-2005/Jul  
 File 63:Transport Res(TRIS) 1970-2005/Apr  
 File 65:Inside Conferences 1993-2005/Aug W1  
 File 68:Solid State & Superconductivity Abstracts 1966-2005/Jul  
 File 81:MIRA - Motor Industry Research 2001-2005/Jun  
 File 87:TULSA (Petroleum Abs) 1965-2005/Jul W5  
 File 94:JICST-EPlus 1985-2005/Jun W3  
 File 95:TEME-Technology & Management 1989-2005/Jul W1  
 File 96:FLUIDEX 1972-2005/Jul  
 File 99:Wilson Appl. Sci & Tech Abs 1983-2005/Jul  
 File 103:Energy SciTec 1974-2005/Jul B2  
 File 104:AeroBase 1999-2005/May  
 File 118:ICONDA-Intl Construction 1976-2005/Jul  
 File 144:Pascal 1973-2005/Jul W5  
 File 239:Mathsci 1940-2005/Sep  
 File 240:PAPERCHEM 1967-2005/Aug W1  
 File 248:PIRA 1975-2005/Jul W3  
 File 293:Engineered Materials Abstracts 1966-2005/Jul  
 File 315:ChemEng & Biotec Abs 1970-2005/Jul  
 File 323:RAPRA Rubber & Plastics 1972-2005/Jul  
 File 335:Ceramic Abstracts/World Ceramics Abstracts 1966-2005/Jul  
 File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec

Set	Items	Description
S1	43029	(C OR CARBON) (6N) (B OR BORON) AND (F OR FLUOR????? OR BF OR BF2 OR BF3 OR BF??) (6N) (C OR CARBON)
S2	31	DRAIN?? AND S1
S3	6393	LDD? ?
S4	0	LAND3
S5	44	S1 AND LIGHT??? (3N) (ION? ? OR IMPLANT????????? OR DOPE????? OR DOPING????? OR DOPANT?????)
S6	75	S2 OR S5
S7	55	RD S6 (unique items)
S8	9	S7 AND (ION? ? OR IMPLANT????????? OR DOPE????? OR DOPING???? - OR DOPANT?????) (6N) (B OR BORON)
S9	10	S7 AND (ION? ? OR IMPLANT????????? OR DOPE????? OR DOPING???? - OR DOPANT?????) (6N) (C OR CARBON)
S10	5	S7 AND (ION? ? OR IMPLANT????????? OR DOPE????? OR DOPING???? - OR DOPANT?????) (6N) (F OR FLUORINE OR FLUORIDE)
S11	0	S7 AND (ION? ? OR IMPLANT????????? OR DOPE????? OR DOPING???? - OR DOPANT?????) (6N) BORIDE
S12	0	S7 AND (ION? ? OR IMPLANT????????? OR DOPE????? OR DOPING???? - OR DOPANT?????) (6N) CARBIDE
S13	5	S10:S11
S14	12	S8:S11

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File 2:INSPEC 1969-2005/Jul W4  
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Set	Items	Description
S1	11	(HALODOP? OR HALO) (4W) (BEFORE OR PRIOR)
S2	0	S1 AND CI=AS DOP
S3	12	(HALODOP? OR HALO) AND CI=AS DOP
S4	11	S3 AND IMPLANT????????
S5	2	S3 AND P()TYPE
S6	2	S3 AND EXTENSION???
S7	3	S3 AND SOURCE? ?(4N) DRAIN? ?
S8	1	S3 AND S(4N)D
S9	4	S5:S8
S10	15	CI=F DOP AND CI=C DOP AND CI=B DOP
S11	0	S10 AND EXTENSION???
S12	0	S10 AND SOURCE? ?(4N) DRAIN? ?
S13	0	S10 AND S(4N)D
S14	0	S10 AND TRANSIEN?????(5N) ENHANC?
S15	0	S10 AND TRANSIEN?????(5N) DIFFUS?
S16	1	S10 AND ENHANCED(5N) DIFFUS?
S17	3	S10 AND (B OR BORON) (5N) DIFFUS?
S18	3	S16:S17 NOT S9



## CAS/STN FILE 'REGISTRY' ENTERED AT 09:16:33 ON 04 AUG 2005

L1 44 S FLUORINE/CN OR F/MF  
 L2 40 S BORON/CN OR B/MF  
 L3 62 S CARBON/CN OR C/MF

## FILE 'CAPLUS' ENTERED AT 09:17:19 ON 04 AUG 2005

L4 3134 S L1(L)MOA/RL  
 L5 15622 S L2(L)MOA/RL  
 L6 13130 S L3(L)MOA/RL  
 L7 54 S L4 AND L5 AND L6  
 L8 2 S L7 AND (CODOP? OR TRIDOP? OR COIMPLANT? OR  
 TRIIMPLANT? OR (CO OR TRI OR THREE OR 3) (2A) (IMPLANT##### OR  
 IMPURITY OR ION OR DOPE#### OR DOPING OR DOPANT))

## D ALL HITSTR TOT

L9 305142 S (B OR BORON) (6A) (C OR CARBON)  
 L10 30353 S (B OR BORON) (6A) (F OR FLUORINE)  
 L11 42992 S (C OR CARBON) (6A) (F OR FLUORINE)  
 L12 2 S L7 AND L8  
 L13 20 S L7 AND L9  
 L14 17 S L7 AND L10  
 L15 21 S L7 AND L11  
 L16 16 S L13 AND L14 AND L15  
 L17 15 S L16 NOT L8

## D BIB AB HITSTR TOT

L18 1 S L7 AND SOURCE(3A) DRAIN  
 L19 0 S L7 AND S(3A) D  
 L20 0 S L7 AND EXTENSION  
 L21 1 S L18 NOT L8

## D BIB AB HITSTR

## FILE 'REGISTRY' ENTERED AT 09:25:00 ON 04 AUG 2005

L22 107 S AS/MF OR ARSENIC/CN

## FILE 'CAPLUS' ENTERED AT 09:25:28 ON 04 AUG 2005

L23 130 S L22(L) (HALO OR HALODOP?)  
 L24 4295 S L22(L)MOA/RL  
 L25 19 S L23 AND L24  
 L26 1 S (PRIOR OR BEFORE) (6A) (IMPLANT##### OR

DOP#### OR ION OR IMPURITY) AND L25  
 D BIB AB HITSTR  
 L27 3 S L25 AND EXTENSION  
 L28 12 S L25 AND SOURCE(3A) DRAIN  
 L29 1 S L25 AND P TYPE  
 L30 12 S (L27 OR L28 OR L29) NOT L26  
 D BIB AB HITSTR TOT  
 L31 6 S L25 NOT (L30 OR L26)  
 D BIB AB HITSTR TOT  
 L32 0 S L7 AND EXTEN#####  
 L33 48401 S (B OR BORON) (6A) (IMPLANT##### OR DOP####  
 OR ION OR IMPURITY)  
 L34 85947 S (C OR CARBON) (6A) (IMPLANT##### OR  
 DOP#### OR ION OR IMPURITY)  
 L35 22560 S (F OR FLUORINE) (6A) (IMPLANT##### OR  
 DOP#### OR ION OR IMPURITY)  
 L36 27 S L7 AND L33 AND L34  
 L37 27 S L35 AND L36  
 L38 20 S L37 NOT (L8 OR L17 OR L21)  
 L39 14 S L38 AND (SEMICONDUCT? OR 257?/NCL OR  
 438?/NCL OR H01L?/IC OR TRANSISTOR OR TRANSIENT OR ENHANCED OR  
 DIFFUSION OR DEEP#### OR DEPTH)  
 L40 20 S L38 OR L39

FILE 'REGISTRY' ENTERED AT 17:10:03 ON 05 AUG 2005

L1 40 S B/ME OR BORON/CN  
L2 62 S C/ME OR CARBON/CN  
L3 54 S FLUORINE/CN OR FLUORIDE/CN OR (F OR F2)/ME

L4 1 S FLUORINE/CN

FILE 'CAPLUS' ENTERED AT 17:10:54 ON 05 AUG 2005

L5 7375 S LDD OR L D D OR LIGHT##(A)DOP####  
L6 9185 S (C OR CARBON) (8A) (F OR FLUOR#####) (8A) (B  
OR BORON)

L7 15629 S L1(L)MOA/RL  
L8 13138 S L2(L)MOA/RL

L9 3156 S (L3 OR L4) (L)MOA/RL

L10 2 S L5 AND L6

L11 0 S L5 AND L7 AND L8 AND L9

L12 5 S L5 AND L7 AND L8

L13 5 S L5 AND L7 AND L9

L14 0 S L5 AND L8 AND L9

L15 12 S (L10 OR L11 OR L12 OR L13 OR L14)

L16 271 S IEE/SO AND L5

L17 18 S L16 AND L1

L18 1 S L16 AND L2

L19 2 S L16 AND (L3 OR L4)

L20 0 S (C OR CARBON) (8A) (F OR FLUOR#####) AND

L21 1 S L16

L22 22 S (C OR CARBON) (8A) (B OR BORON) AND L16

L23 0 S (L17 OR L18 OR L19 OR L20 OR L21) NOT L15

L24 0 S L22 AND L2 AND L1

S L22 AND (ARSENIC OR ARSENIC/CN OR AS/ME)

FILE 'REGISTRY' ENTERED AT 17:16:26 ON 05 AUG 2005

L25 107 S AS/ME

FILE 'CAPLUS' ENTERED AT 17:16:26 ON 05 AUG 2005

L26 83890 S L25

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FILE 'REGISTRY' ENTERED AT 17:16:27 ON 05 AUG 2005  
L27 1 S ARSENIC/CN

FILE 'CAPLUS' ENTERED AT 17:16:27 ON 05 AUG 2005

L28 80692 S L27  
L29 3 S L22 AND (ARSENIC OR L28 OR L26 )

D BIB AB HITSTR TOT

L30 0 S (L6 OR (L2 AND (L3 OR L4))) AND L16

L31 2 S L22 AND F

L32 3 S L22 AND FLUOR#####

L33 4 S L22 AND C

L34 1 S L22 AND CARBON

L35 7 S (L29 OR L30 OR L31 OR L32 OR L33 OR L34)

NOT (L29 OR L15)

## CAS/STN FILE 'REGISTRY' ENTERED AT 12:44:28 ON 08 AUG 2005

L1 980 SEA ABB=ON PLU=ON BORON FLUORIDE  
L2 40 SEA ABB=ON PLU=ON B/MF OR BORON/CN  
L3 54 SEA ABB=ON PLU=ON (F OR F2)/MF OR FLUORINE/CN OR FLUORIDE/MF  
L4 62 SEA ABB=ON PLU=ON C/MF OR CARBON/CN

## FILE 'CAPLUS' ENTERED AT 12:45:58 ON 08 AUG 2005

L5 15638 SEA ABB=ON PLU=ON L2(L)MOA/RL  
L6 3158 SEA ABB=ON PLU=ON L3(L)MOA/RL  
L7 13145 SEA ABB=ON PLU=ON L4(L)MOA/RL  
L8 399 SEA ABB=ON PLU=ON L1 AND L4  
L9 0 SEA ABB=ON PLU=ON L8 AND (LDD OR LD OR L D D OR LIGHTLY  
DOPED OR (S(2A)D OR SOURCE(2A)DRAIN) (7A)EXTEN#####)  
L10 37 SEA ABB=ON PLU=ON L2 AND L3 AND L4 AND L8  
L11 0 SEA ABB=ON PLU=ON L10 AND EXTENSION  
L12 0 SEA ABB=ON PLU=ON L10 AND (LDD OR LD OR L D D OR LIGHTLY  
DOPED OR S(2A)D OR SOURCE(2A)DRAIN)